

Page 35, line 20, delete "sensorship" and insert therefor -- sensor chip --;

line 26, delete "sensorships" and insert therefor -- sensor chips --;

Page 36, line 35, delete "be very" and insert therefor -- vary --;

line 36, delete "vary" and insert therefor -- very --;

Page 41, line 4, delete "form" and insert therefor -- from --.

IN THE CLAIMS

Cancel claim 45, without prejudice, and add claims 46-62.

1 ~~46~~. A transgenic mouse ~~and progeny~~ wherein all of the somatic and germ cells comprise a <sup>DNA</sup> fragment of human chromosome 14 from the five most proximal V<sub>H</sub> gene segments, continuing through the D segment genes, the J segment genes and the constant region genes through Cδ of the human immunoglobulin heavy chain locus, wherein said fragment does not contain a Cγ gene, and wherein said fragment is <sup>operably</sup> ~~operatively~~ linked to a human Cγ2 region gene;

said transgenic mouse producing fully human IgG2 heavy chains specific for a desired antigen when immunized with said desired antigen.

2  
41. The transgenic mouse ~~and progeny~~ according to claim ~~46~~, wherein all of the somatic and germ cells of said transgenic mouse further comprise a fragment of human chromosome 2 comprising V<sub>κ</sub>, J<sub>κ</sub> and C<sub>κ</sub> gene segments of an immunoglobulin kappa light chain locus, said transgenic